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Attorney Docket No.: AM-6051.P1

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: Mark Crockett et al.

SERIAL NO.: 10/617,950

FILED: July 12, 2003

TITLE: MICROMACHINED INTEGRATED
FLUID DELIVERY SYSTEM WITH
DYNAMIC METAL SEAT VALVE
AND OTHER COMPONENTS

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Group Art Unit: Unknown

Examiner: Unknown

Attorney Docket No. AM-6051.P1

July 30, 2003

**INFORMATION DISCLOSURE STATEMENT
TRANSMITTAL LETTER**

Hon. Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

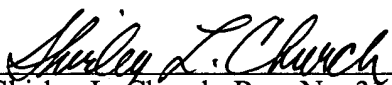
Sir:

Applicants are submitting the subject Information Disclosure Statement under 37 CFR § 1.97(b)(1). This Information Disclosure Statement is being submitted within three (3) months of the filing date of the subject application.

CERTIFICATE OF MAILING UNDER 37 CFR § 1.10

I hereby certify that this paper is being deposited with the U.S. Postal Service on the date shown below with sufficient postage as U.S. EXPRESS MAIL NO. EU313733881US in an envelope addressed to: Mail Stop DD, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

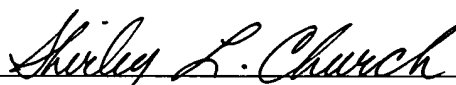
Date: July 30, 2003


Shirley L. Church, Reg. No. 31,858

Applicants do not believe that any fee is due in connection with the filing of this Information Disclosure Statement under 37 CFR § 1.97(b)(1). However, in the event that any additional fee is due, the Commissioner is hereby authorized to charge Deposit Account No. 50-1512 of Shirley L. Church, Sunnyvale, California, in the amount of such fee.

This transmittal letter is submitted in duplicate for accounting purposes.

Respectfully submitted,



Shirley L. Church
Registration No. 31,858
Attorney for Applicants

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FORM PTO-1449
(Equivalent)

U.S. Department of Commerce
Patent and Trademark Office

U.S. Application Serial No.
10/617,950

Atty. Docket No.
AM-6051.P1



INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(Use several sheets if necessary)

Mark Crockett et al.
Applicants

July 12, 2003
Filing Date

Unknown
Group

U. S. PATENT DOCUMENTS

Examiner Initial	Document Number	Issue Date	Name	Class	Subclass	Filing Date If Appropriate
_____	4,691,856	09/08/87	Haramaki et al.	228	194	
_____	4,828,219	05/09/89	Ohmi et al.	251	118	
_____	5,226,578	07/13/93	Douglas	228	157	
_____	5,253,796	10/19/93	Stacher et al.	228	193	
_____	5,401,583	03/28/95	Stacher et al.	428	594	
_____	5,611,944	03/18/97	Gilkinson et al.	219	117.1	
_____	5,755,428	05/26/98	Ollivier	251	331	
_____	5,888,390	03/30/99	Craig	210	198.2	
_____	6,062,246	05/16/00	Tanaka et al.	137	12	
_____	6,068,179	05/30/00	Fowler	228	157	
_____	6,221,235	04/24/01	Gebhart	205	654	
_____	6,357,760	03/19/02	Doyle	277	604	

Examiner

Date Considered

Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FOREIGN PATENT DOCUMENTS

<u>Examiner Initial</u>	<u>Document Number</u>	<u>Publication Date</u>	<u>Name</u>	<u>Class</u>	<u>Subclass</u>	<u>Translation If Appropriate</u>
_____	DD 112821B	6/25/80	Frohlich H.	F16K	017/04	Abstract
_____	DE 19703169	7/30/98	Kaes et al.	F02M	025/07	Abstract
_____	JP 8075017	03/19/96	Motoyama Seisakusho KK	F16K	007/16	Abstract
_____	JP 11101352	04/13/99	Motoyama Seisakusho KK	F16K	007/16	Abstract
_____	JP 11194833	07/21/99	Hitachi Metals Ltd.	G05D	007/06	Abstract
_____	WO 01/14775	03/01/01	Appleford et al.	F16K	31/04	
_____	WO 01/54806	08/02/01	Johnston et al.	B01J	8/02	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

V.A. Bubnov, "Calculation of flow rate characteristics for controlling the hydraulic drive of a machine tool," Soviet Engineering Research, Vol. 10, No. 11, pp. 90-96 (1990).

D. Robinson et al., "Actuated Diaphragm Valves for Control Applications," Papers Presented at the International Conference on Developments in Valves & Actuators for Fluid Control, published by BHRA, Cranfield, England, pp. 97-117 (1985).

N. Sidell et al., "The design and construction of a high temperature linear electromagnetic actuator," Journal of Applied Physics, Vol. 85, No. 8, 2A, pp. 4901-4903 (April 1999).

Examiner	Date Considered
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Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.
